

MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIG. 310.2
RECOMMENDED MATING TORQUE	9.0 IN-LBS. NOM.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6.0 LBS MAX.
AXIAL CONTACT RETENTION (FROM CABLE)	6.0 LBS MAX.
CENTER CONTACT INSERTION FORCE(INTERFACE)	2.0 LBS. MAX.
CENTER CONTACT WITHDRAWL FORCE(INTERFACE)	1.0 oz. MIN.
CABLE RETENTION	10 LBS. MIN.
MASS	TBS grams NOM.

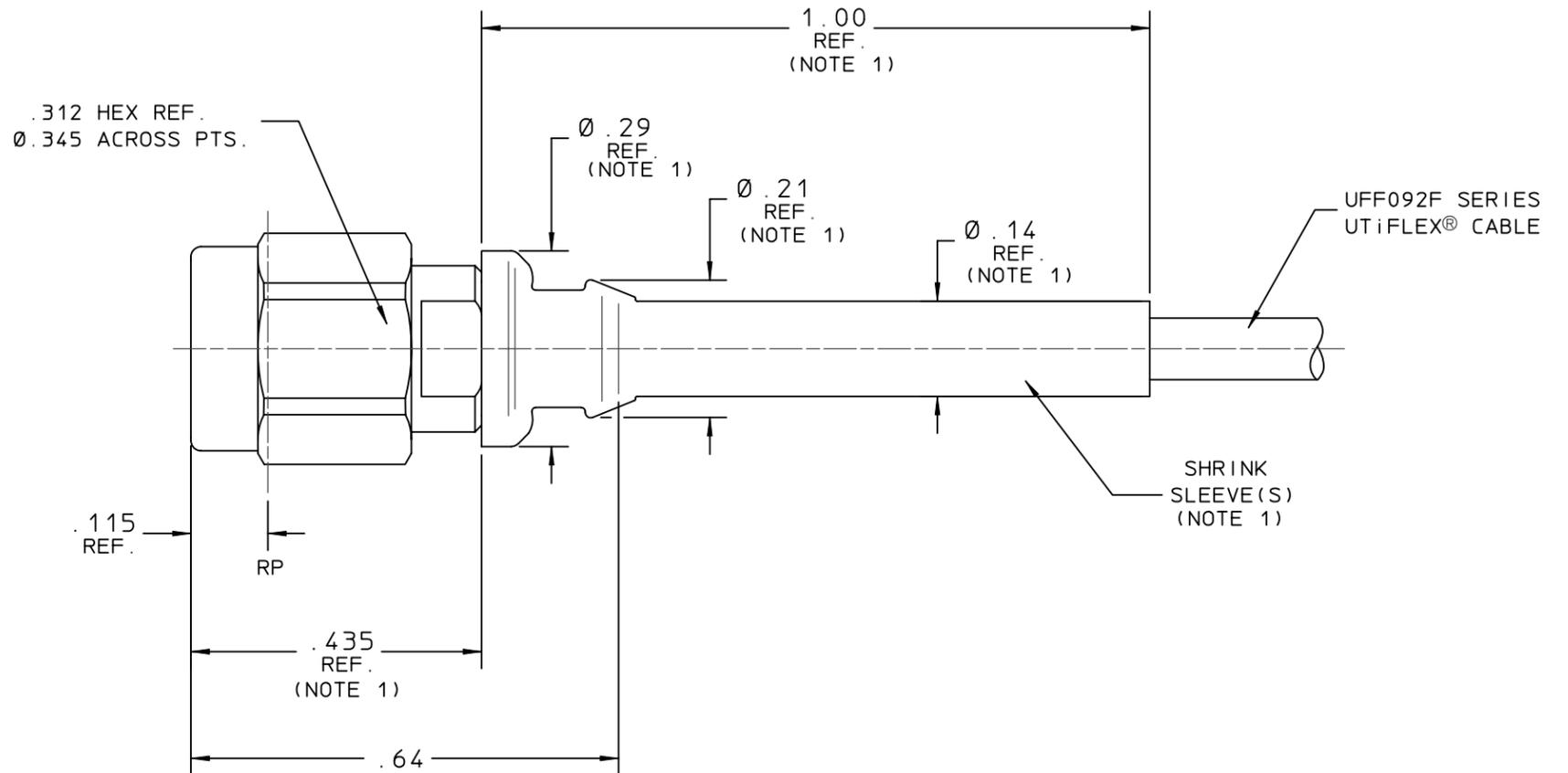
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms. NOM.
MAXIMUM FREQUENCY	18 GHz MAX. (LIMITED BY CABLE)
VSWR DC - 18 GHz	1.16:1 MAX.
INSERTION LOSS	0.03 \sqrt{F} (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	750 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18GHz.	-90 dB
CORONA (70,000FT)	190 Vrms. MIN.
RF HIGH POTENTIAL (5 MHz)	500 Vrms. MAX.
CONTACT RESISTANCE (INNER)	2.0 Milliohms MAX.
CONTACT RESISTANCE (OUTER)	3.0 Milliohms MAX.

ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-55°C to +125°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D, 20Gs
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I, 10Gs
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

MATERIAL AND FINISH	
BODY	STEEL, CORROSION RESISTANT, CONDITION A, NON-MAGNETIC PER ASTM-A-582, UNS NO. S30300, GOLD PLATE PER MIL-G-45204, TYPE II, GRADE C, CLASS 1, 50-100 MICROINCHES THK. OVER NICKEL PLATE PER QQ-N-290, CLASS, 50-100 MICROINCHES THK.
INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710
CONTACT	BERYLLIUM COPPER, UNS NO. C17300, PER ASTM-B-196 GOLD PLATE PER MIL-G-45204, 50 MICROINCHES MIN., OVER NICKEL PLATE PER QQ-N-290, 50 MICROINCHES MIN.
COUPLING NUT	STEEL, CORROSION RESISTANT, CONDITION A, NON-MAGNETIC PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967.
SNAP RING	BERYLLIUM COPPER, UNS NO. C17200, PER ASTM-B-197.
GASKET	SILICONE RUBBER PER ZZ-R-765, CLASS IIB.

APPLICATION	
CABLE(S)	UFF092F
INSTALLATION	PER CONFIGURATOR

REV.	DESCRIPTION	DATE	BY	APPVD.
1	PRELIMINARY RELEASE	09/08/05	SRS	AMD



NOTE:

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

SPECIFICATION DRAWING

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		DWN. SRS	09/08/05				
		CHKD.					
		APPVD.					
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE		SMA PLUG, UFF092F CABLE			
.XX	± .02						
.XXX	± .005						
.XXXX	± .0010						
ANGLES	± 2°						
ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B11-1989.		FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV
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